

ABSTRACT

An exemplary bias circuit is coupled to an amplifier. The bias circuit comprises a first bipolar transistor, a second bipolar transistor and a third bipolar transistor. The first bipolar transistor has a base connected to a first node, and the first node is connected to a reference voltage through a first resistor. The second bipolar transistor has a base connected to the first node. The third bipolar transistor has a collector connected to the first node and a base connected to an emitter of the first bipolar transistor at a second node. An emitter of the second bipolar transistor is connected to a base of a fourth bipolar transmitter associated with the amplifier, and the second bipolar transistor does not have a resistor connected to the emitter of the second bipolar transistor.